Name:

*Mr. Tiénou-Gustafson & Mr. Bielmeier*

Geometry, Period

Due Date: Wed, 11 Mar 2015

**Geometry**

**Homework**



|  |  |  |  |
| --- | --- | --- | --- |
| **Right Triangle Method:** | **What’s the goal?** (What can you find with this?) | **What is required?** (What givens do you need to use this method?) | **Analyze it.** (What is the method? Demonstrate.) |
| **Pythagorean Theorem** |  |  |  |
| **Pythagorean triples** *(Give at least 2 – bonus if you give first 4)* |  |  |  |
| **Special right triangle ratios** |  |  |  |
| **Trig ratios** |  |  |  |
| **Inverse trig** |  |  |  |

**Fill in the table with the appropriate values for each of the given triangles.**

60**°**

30**°**

12

|  |  |  |  |
| --- | --- | --- | --- |
| ***Side:*** |  |  |  |
| ***Ratio:*** |  |  |  |
| ***Value*** *for this triangle:* |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Side:*** |  |  |  |
| ***Ratio:*** |  |  |  |
| ***Value*** *for this triangle:* |  |  |  |



45**°**

45**°**

12

**Find the value of the missing side or angle to the nearest tenth:**

|  |  |
| --- | --- |
| 9 ft  40**°**  x | 20**°**  y  45 ft |
| 9 ft  ϴ  8 ft | Φ  7 in  13 in |
|  |  |
|  |  |